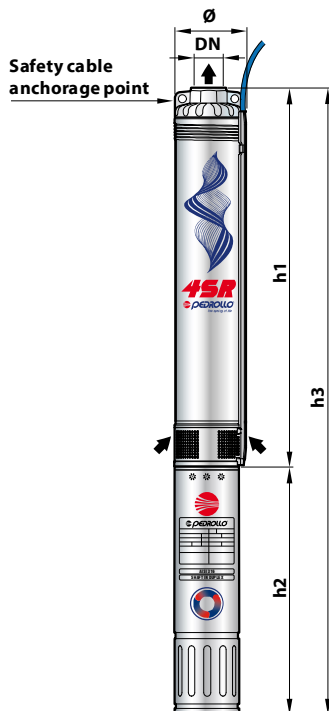


DIMENSIONS AND WEIGHT

MODEL	DN	DIMENSIONS mm				kg		
		Ø	h1	h2	h3			
Single-phase								
4SRm 1/13 - PD	1 1/4"	98	400	311	711	11.2		
4SRm 1/18 - PD			517	331	848	13.2		
4SRm 1/25 - PD			646	356	1002	15.9		
4SRm 1/35 - PD			856	396	1252	19.6		
4SRm 1/45 - PD			1065	437	1502	23.1		
4SRm 1.5/8 - PD			308	311	619	10.3		
4SRm 1.5/13 - PD			400	331	731	11.7		
4SRm 1.5/17 - PD			499	356	855	14.2		
4SRm 1.5/25 - PD			646	396	1042	17.5		
4SRm 1.5/32 - PD			800	437	1237	20.9		
4SRm 1.5/46 - PD			1134	492	1626	28.1		
4SRm 2/7 - PD			290	311	601	10.1		
4SRm 2/10 - PD			345	331	676	11.4		
4SRm 2/13 - PD			400	356	756	13.3		
4SRm 2/20 - PD			554	396	950	16.6		
4SRm 2/27 - PD			683	437	1120	19.5		
4SRm 2/39 - PD			929	492	1421	25.4		
4SRm 4/7 - PD			2"	98	314	331	645	11.0
4SRm 4/9 - PD					358	356	714	12.8
4SRm 4/14 - PD					468	396	864	15.6
4SRm 4/18 - PD	580	437			1017	18.3		
4SRm 4/26 - PD	756	492			1248	23.2		
4SRm 6/4 - PD	281	331			612	10.9		
4SRm 6/6 - PD	341	356			697	12.5		
4SRm 6/9 - PD	431	396			827	15.0		
4SRm 6/13 - PD	576	437			1013	17.8		
4SRm 6/17 - PD	695	492			1187	22.2		
4SRm 8/4 - PD	281	356			637	12.0		
4SRm 8/7 - PD	371	396			767	14.4		
4SRm 8/9 - PD	431	437			868	16.4		
4SRm 8/13 - PD	576	492			1068	21.0		
4SRm 10/5 - PD	416	396			812	15.2		
4SRm 10/7 - PD	518	437			955	16.9		
4SRm 10/10 - PD	709	492			1201	21.7		
4SRm 12/4 - PD	365	396			761	14.7		
4SRm 12/6 - PD	467	437			904	15.8		
4SRm 12/9 - PD	658	492			1150	21.7		
4SRm 15/5 - PD	421	437	858	16.7				
4SRm 15/7 - PD	525	492	1017	20.7				



MODEL	DN	DIMENSIONS mm				kg		
		Ø	h1	h2	h3			
Three-phase								
4SR 1/13 - PD	1 1/4"	98	400	311	711	11.2		
4SR 1/18 - PD			517	331	848	13.2		
4SR 1/25 - PD			646	356	1002	15.9		
4SR 1/35 - PD			856	371	1227	18.8		
4SR 1/45 - PD			1065	396	1461	21.6		
4SR 1.5/8 - PD			308	311	619	10.3		
4SR 1.5/13 - PD			400	331	731	11.7		
4SR 1.5/17 - PD			499	356	855	14.2		
4SR 1.5/25 - PD			646	371	1017	16.7		
4SR 1.5/32 - PD			800	396	1196	19.4		
4SR 1.5/46 - PD			1134	437	1571	24.9		
4SR 2/7 - PD			290	311	601	10.1		
4SR 2/10 - PD			345	331	676	11.4		
4SR 2/13 - PD			400	356	756	13.3		
4SR 2/20 - PD			554	371	925	15.8		
4SR 2/27 - PD			683	396	1079	18.0		
4SR 2/39 - PD			929	437	1366	22.2		
4SR 4/7 - PD			2"	98	314	331	645	11.0
4SR 4/9 - PD					358	356	714	12.8
4SR 4/14 - PD					468	371	839	14.8
4SR 4/18 - PD	580	396			976	16.8		
4SR 4/26 - PD	756	437			1193	20.0		
4SR 4/35 - PD	978	450			1428	23.9		
4SR 4/46 - PD	1295	505			1800	31.1		
4SR 4/60 - PD	1652	590			2242	44.1		
4SR 6/4 - PD	281	331			612	10.9		
4SR 6/6 - PD	341	356			697	12.5		
4SR 6/9 - PD	431	371			802	14.2		
4SR 6/13 - PD	576	396			972	16.3		
4SR 6/17 - PD	695	437			1132	19.0		
4SR 6/23 - PD	900	450			1350	22.5		
4SR 6/31 - PD	1164	505			1669	27.7		
4SR 6/42 - PD	1519	590			2109	40.4		
4SR 6/56 - PD	2063	800			2863	51.0		
4SR 8/4 - PD	281	356			637	12.0		
4SR 8/7 - PD	371	371			742	13.6		
4SR 8/9 - PD	431	396			827	14.9		
4SR 8/13 - PD	576	437	1013	17.8				
4SR 8/17 - PD	695	450	1145	20.4				
4SR 8/23 - PD	900	505	1405	25.4				
4SR 8/31 - PD	1164	590	1754	36.5				
4SR 8/42 - PD	1519	800	2319	43.9				
4SR 10/5 - PD	416	371	787	14.3				
4SR 10/7 - PD	518	396	914	16.0				
4SR 10/10 - PD	709	437	1146	19.1				
4SR 10/15 - PD	1001	450	1451	23.2				
4SR 10/20 - PD	1256	505	1761	30.7				
4SR 10/26 - PD	1599	590	2189	35.8				
4SR 10/35 - PD	2095	800	2895	49.2				
4SR 12/4 - PD	365	371	736	12.5				
4SR 12/6 - PD	467	396	863	16.8				
4SR 12/9 - PD	658	437	1095	18.8				
4SR 12/12 - PD	810	450	1260	22.0				
4SR 12/16 - PD	1052	505	1557	26.2				
4SR 12/22 - PD	1358	590	1948	31.9				
4SR 12/29 - PD	1752	800	2552	46.3				
4SR 15/5 - PD	421	396	817	15.2				
4SR 15/7 - PD	525	437	962	16.5				
4SR 15/10 - PD	719	450	1169	22.1				
4SR 15/13 - PD	874	505	1379	24.6				
4SR 15/18 - PD	1172	590	1762	30.7				
4SR 15/24 - PD	1521	800	2321	43.5				

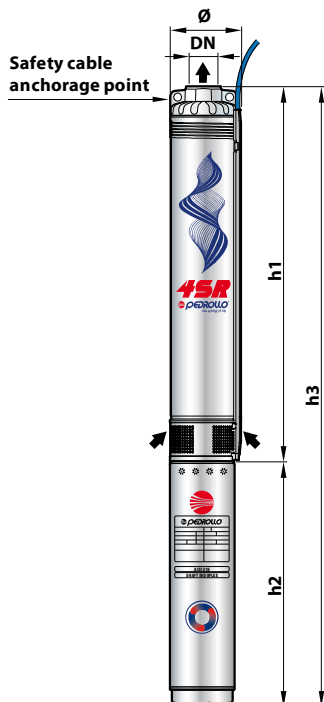
4PD = rewindable oil filled submersible motor

● MODELS TO BE SOLD ONLY OUTSIDE EU

DIMENSIONS AND WEIGHT

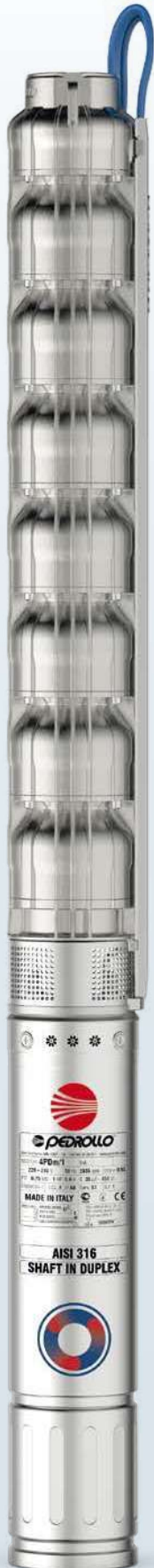
MODEL	DN	DIMENSIONS mm			kg			
		Ø	h1	h2		h3		
Single-phase								
4SRm 1/13 - PS	1¼"	98	400	237	637	11.5		
4SRm 1/18 - PS			517	257	774	13.9		
4SRm 1/25 - PS			646	272	918	16.5		
4SRm 1/35 - PS			856	312	1168	20.6		
4SRm 1/45 - PS			1065	352	1417	24.8		
4SRm 1.5/8 - PS			308	237	545	10.6		
4SRm 1.5/13 - PS			400	257	657	12.4		
4SRm 1.5/17 - PS			499	272	771	14.8		
4SRm 1.5/25 - PS			646	312	958	18.5		
4SRm 1.5/32 - PS			800	352	1152	22.6		
4SRm 1.5/46 - PS			1134	402	1536	27.4		
4SRm 2/7 - PS			290	237	527	10.4		
4SRm 2/10 - PS			345	257	602	12.1		
4SRm 2/13 - PS			400	272	672	13.9		
4SRm 2/20 - PS			554	312	866	17.6		
4SRm 2/27 - PS			683	352	1035	21.2		
4SRm 2/39 - PS			929	402	1331	24.7		
4SRm 4/7 - PS			2"	98	314	257	571	11.7
4SRm 4/9 - PS					358	272	630	13.4
4SRm 4/14 - PS					468	312	780	16.6
4SRm 4/18 - PS	580	352			932	20.0		
4SRm 4/26 - PS	756	402			1158	22.5		
4SRm 6/4 - PS	281	257			538	11.6		
4SRm 6/6 - PS	341	272			613	13.1		
4SRm 6/9 - PS	431	312			743	16.0		
4SRm 6/13 - PS	576	352			928	19.5		
4SRm 6/17 - PS	695	402			1097	21.5		
4SRm 8/4 - PS	281	272			553	12.6		
4SRm 8/7 - PS	371	312			683	15.4		
4SRm 8/9 - PS	431	352			783	18.1		
4SRm 8/13 - PS	576	402			978	20.3		
4SRm 10/5 - PS	416	312			728	16.2		
4SRm 10/7 - PS	518	352			870	18.6		
4SRm 10/10 - PS	709	402			1111	21.0		
4SRm 12/4 - PS	365	312			677	15.7		
4SRm 12/6 - PS	467	352			819	17.5		
4SRm 12/9 - PS	658	402			1060	21.0		
4SRm 15/5 - PS	421	352	773	18.4				
4SRm 15/7 - PS	525	402	927	20.0				

MODEL	DN	DIMENSIONS mm			kg			
		Ø	h1	h2		h3		
Three-phase								
4SR 1/13 - PS	1¼"	98	400	237	637	11.5		
4SR 1/18 - PS			517	237	754	12.8		
4SR 1/25 - PS			646	257	903	15.3		
4SR 1/35 - PS			856	272	1128	18.5		
4SR 1/45 - PS			1065	297	1362	22.6		
4SR 1.5/8 - PS			308	237	545	10.6		
4SR 1.5/13 - PS			400	237	637	11.3		
4SR 1.5/17 - PS			499	257	756	13.6		
4SR 1.5/25 - PS			646	272	918	16.4		
4SR 1.5/32 - PS			800	297	1097	20.4		
4SR 1.5/46 - PS			1134	352	1486	26.6		
4SR 2/7 - PS			290	237	527	10.4		
4SR 2/10 - PS			345	237	582	11.0		
4SR 2/13 - PS			400	257	657	12.7		
4SR 2/20 - PS			554	272	826	15.5		
4SR 2/27 - PS			683	297	980	19.0		
4SR 2/39 - PS			929	352	1281	23.9		
4SR 4/7 - PS			2"	98	314	237	551	10.6
4SR 4/9 - PS					358	257	615	12.2
4SR 4/14 - PS					468	272	740	14.5
4SR 4/18 - PS	580	297			877	17.8		
4SR 4/26 - PS	756	352			1108	21.7		
4SR 4/35 - PS	978	484			1462	27.7		
4SR 4/46 - PS	1295	574			1869	38.4		
4SR 4/60 - PS	1652	664			2316	52.1		
4SR 6/4 - PS	281	237			518	10.5		
4SR 6/6 - PS	341	257			598	11.9		
4SR 6/9 - PS	431	272			703	13.9		
4SR 6/13 - PS	576	297			873	17.3		
4SR 6/17 - PS	695	352			1047	20.7		
4SR 6/23 - PS	900	484			1384	26.3		
4SR 6/31 - PS	1164	574			1738	35.0		
4SR 6/42 - PS	1519	664			2183	48.4		
4SR 6/56 - PS	2063	764			2827	53.4		
4SR 8/4 - PS	281	257			538	11.4		
4SR 8/7 - PS	371	272			643	13.3		
4SR 8/9 - PS	431	297			728	15.9		
4SR 8/13 - PS	576	352	928	19.5				
4SR 8/17 - PS	695	484	1179	24.2				
4SR 8/23 - PS	900	574	1474	32.7				
4SR 8/31 - PS	1164	664	1828	44.5				
4SR 8/42 - PS	1519	764	2283	46.3				
4SR 10/5 - PS	416	272	688	14.0				
4SR 10/7 - PS	518	297	815	17.0				
4SR 10/10 - PS	709	352	1061	20.8				
4SR 10/15 - PS	1001	484	1485	27.0				
4SR 10/20 - PS	1256	574	1830	38.0				
4SR 10/26 - PS	1599	664	2263	43.8				
4SR 10/35 - PS	2095	764	2859	51.6				
4SR 12/4 - PS	365	272	637	12.2				
4SR 12/6 - PS	467	297	764	17.8				
4SR 12/9 - PS	658	352	1010	20.5				
4SR 12/12 - PS	810	484	1294	25.8				
4SR 12/16 - PS	1052	574	1626	33.5				
4SR 12/22 - PS	1358	664	2022	39.9				
4SR 12/29 - PS	1752	764	2516	48.7				
4SR 15/5 - PS	421	297	718	16.2				
4SR 15/7 - PS	525	352	877	18.2				
4SR 15/10 - PS	719	484	1203	25.9				
4SR 15/13 - PS	874	574	1448	31.9				
4SR 15/18 - PS	1172	664	1836	38.7				
4SR 15/24 - PS	1521	764	2285	45.9				



4PS = incapsulated water cooled submersible motor

● MODELS TO BE SOLD ONLY OUTSIDE EU



4" submersible pumps

 Clean water
(Maximum sand content 100 g/m³)

 Domestic use

 Civil use

 Industrial use

PERFORMANCE RANGE

- Flow rate up to **420 l/min** (25.2 m³/h)
- Head up to **176 m**

APPLICATION LIMITS

- Maximum liquid temperature **+35 °C**
- Maximum sand content **100 g/m³**
- Immersion limit:
 - **200 m** with 4PD motor
 - **100 m** with 4PS motor
- Installation:
 - vertical
 - horizontal up to **12 stages**
- Starts/hour: **20** at regular intervals
- Minimum flow rate for motor cooling **8 cm/s**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

ELECTRIC MOTOR

- Single-phase 230 V - 50 Hz
- Three-phase 400 V - 50 Hz

Length of power cable:

- **2 m** powers from 0.37 to 2.2 kW
- **3.6 m** powers from 3 to 7.5 kW.

EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3



EU REGULATION N. 547/2012

CERTIFICATIONS

Company with management system certified DNV ISO 9001: QUALITY



INSTALLATION AND USE

Suitable for use with clean water with a sand content of no more than **100 g/m³**. Because of their high efficiency and reliability, they are suitable for use in domestic, civil and industrial applications such as for the distribution of water in combination with pressure tanks, for irrigation, for washing plants and for pressure boosting in fire-fighting sets, etc.

PATENTS - TRADE MARKS - MODELS

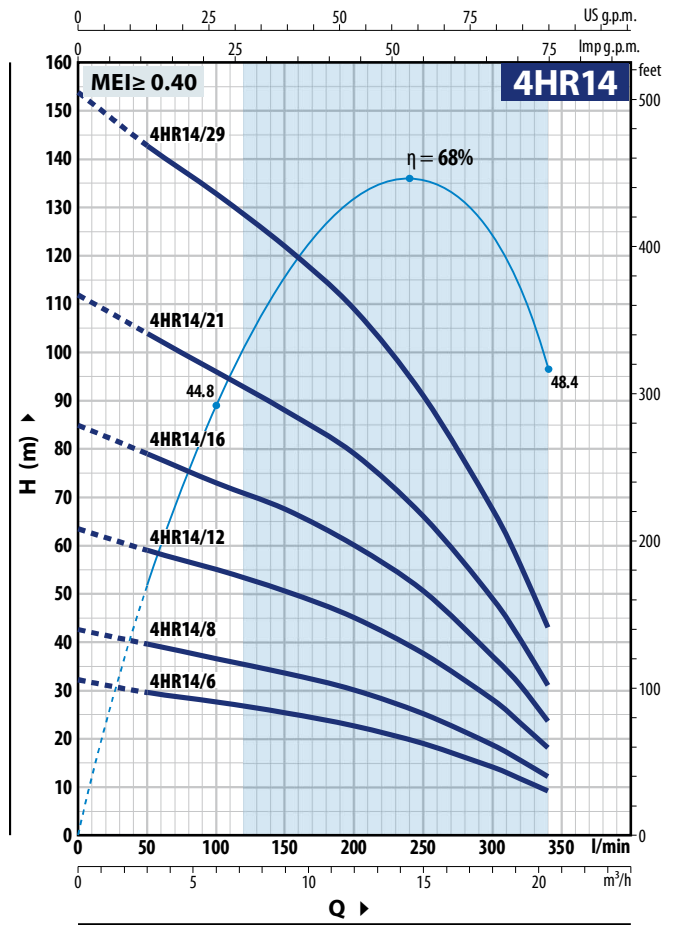
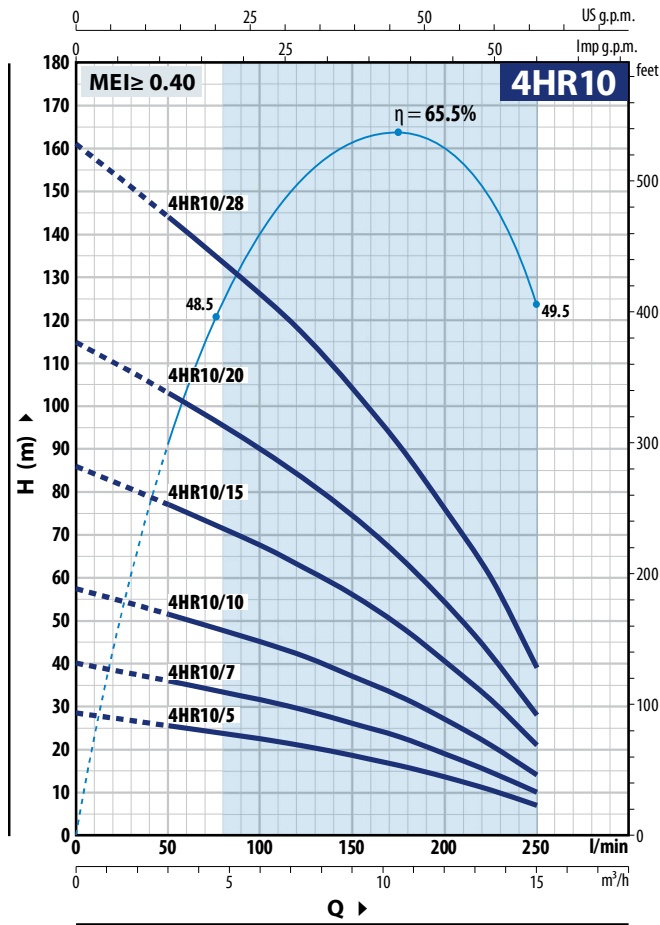
- Registered EU Design n. 004128619

OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 min⁻¹



4HR10

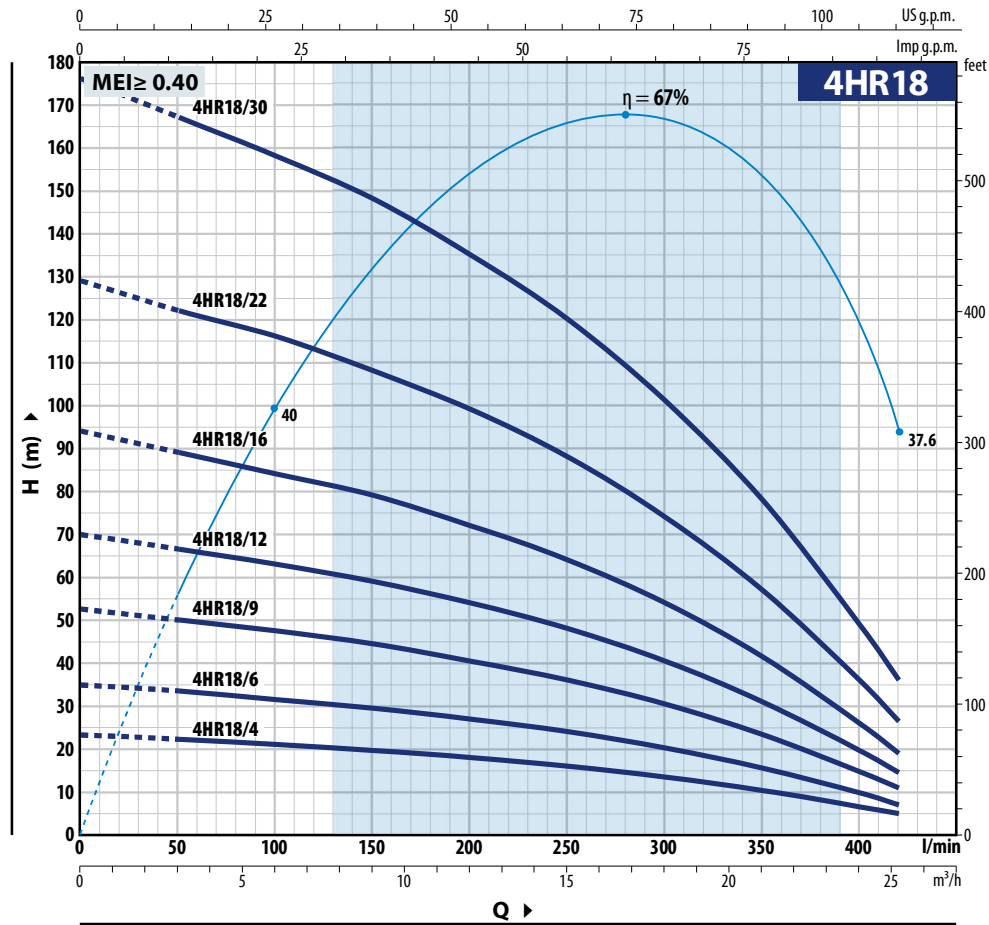
MODEL		POWER (P ₂)		Q	H metres								
Single-phase	Three-phase	kW	HP		m ³ /h	0	3.0	6.0	7.5	9.0	10.5	12.0	13.5
				l/min	0	50	100	125	150	175	200	225	250
4HRm 10/5	4HR 10/5	0.75	1	H metres	28.5	25.5	22.5	20.7	18.6	16.3	13.6	10.5	7
4HRm 10/7	4HR 10/7	1.1	1.5		40	36	31.5	29	26	23	19	14.7	10
4HRm 10/10	4HR 10/10	1.5	2		57.5	51.5	45	41.5	37	32.5	27	21	14
4HRm 10/15	4HR 10/15	2.2	3		86	77	67.5	62	56	49	40.5	31.5	21
-	4HR 10/20	3	4		115	103	90	83	74	65	54.5	42	28
-	4HR 10/28	4	5.5		161	144	126	116	104	91	76	60	39

4HR14

MODEL		POWER (P ₂)		Q	H metres								
Single-phase	Three-phase	kW	HP		m ³ /h	0	3.0	6.0	9.0	12.0	15.0	18.0	19.2
				l/min	0	50	100	150	200	250	300	320	340
4HRm 14/6	4HR 14/6	1.1	1.5	H metres	32	29.5	27.5	25.3	22.5	18.9	14	11.6	9
4HRm 14/8	4HR 14/8	1.5	2		42.5	39.5	36.5	33.5	30	25	18.6	15.4	12
4HRm 14/12	4HR 14/12	2.2	3		63.4	59	55	50.5	45	37.5	28	23.1	18
-	4HR 14/16	3	4		85	79	73	67.5	60	50.5	37	31	23.5
-	4HR 14/21	4	5.5		112	104	96	88	79	66	49	40.5	31
-	4HR 14/29	5.5	7.5		154	143	133	122	109	91	67.5	56	43

Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.



4HR18

MODEL		POWER (P ₂)		Q	H metres												
Single-phase	Three-phase	kW	HP		m ³ /h	0	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	25.2		
				l/min	0	50	100	150	200	250	300	350	400	420			
4HRm 18/4	4HR 18/4	1.1	1.5	H metres	23.4	22	21	19.7	18	16	13.5	10.4	6.6	5			
4HRm 18/6	4HR 18/6	1.5	2		35	33.5	31.5	29.5	27	24	20.3	15.6	9.8	7			
4HRm 18/9	4HR 18/9	2.2	3		52.5	50	47.5	44.5	40.5	36	30.5	23.4	14.8	11			
-	4HR 18/12	3	4		70	66.5	63	59	54	48	40.5	31	19.7	14.5			
-	4HR 18/16	4	5.5		94	89	84	79	72	64	54	41.5	26	19			
-	4HR 18/22	5.5	7.5		129	122	116	108	99	88	74	57	36	26.5			
-	4HR 18/30	7.5	10		176	167	158	148	135	120	101	78	49	36			

Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

POS. COMPONENT	CONSTRUCTION CHARACTERISTICS
1 DELIVERY BODY	Precision cast stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1
2 NON-RETURN VALVE	Stainless steel AISI 304
3 MOTOR BRACKET	Precision cast stainless steel AISI 304 in compliance with NEMA standards
4 IMPELLERS	Precision cast stainless steel AISI 304
5 DIFFUSERS	Precision cast stainless steel AISI 304
6 PUMP SHAFT	Stainless steel AISI 304
7 PUMP BEARINGS	Special elastomer
8 WEAR RINGS	Special elastomer
9 DRIVE COUPLING	Stainless steel AISI 304
10 FILTER	Stainless steel AISI 304
11 CABLE COVER	Stainless steel AISI 304
12 MOTOR 4"	4PD = rewindable oil filled submersible motor 4PS = incapsulated water cooled submersible motor

